

TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL

NASA/GODDARD SPACE FLIGHT CENTER

REQUEST FOR TASK PLAN / TASK ORDER

CONTRACTOR		CONTRACT NO. / TASK NO.		JOB ORDER NUMBER		APPROP. FY
QSS Group, Inc.		NAS5- 99124	TASK NO. 111	AMENDMENT		401 227 61 10 -89 99
TASK TITLE: (NTE 80 characters; include Project name) ICESat Project Systems Engineering						
APPROVALS: (Type or print name and sign)						
ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)				DATE	ORG CODE	MAIL CODE PHONE
Michael Tasevoli <i>Michael Tasevoli</i>				6/29/99 6/25/99	730	401.6 286-2321
BRANCH HEAD				DATE	CODE	PHONE
Michael Tasevoli <i>Michael Tasevoli</i>				6/29/99 6/25/99	401.6	286-2321
CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)				DATE	CODE	PHONE
Robert S. Lehair, Jr. <i>Robert S. Lehair, Jr.</i>				6/30/99	560	301-286-6382
FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE? <small>(IF YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)</small>		CONTRACTING OFFICER'S QUALITY REP.		DESIGNATED FAM:		
<input checked="" type="checkbox"/> No <input type="checkbox"/> YES		Larry Moore				
The contractor shall identify and explain the reason for any deviations, exceptions, or conditional assumptions taken with respect to this Task Order or to any of the technical requirements of the Task Order Statement of Work and related specifications. The contractor shall complete and submit the required Reps and Certs.				(To be completed by Contracting Officer) C.O. Requested Quote on: Date: JUL - 1 1999		
Contractor will develop specification or statement of work under this task for a future procurement.				<input checked="" type="checkbox"/> No <input type="checkbox"/> YES		
Flight hardware will be shipped to GSFC for testing prior to final delivery.				<input type="checkbox"/> NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> No		
Government Furnished Property/Facilities:				<input checked="" type="checkbox"/> No <input type="checkbox"/> YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)		
Onsite Performance:				<input checked="" type="checkbox"/> No <input type="checkbox"/> YES If yes: <input type="checkbox"/> TOTAL <input type="checkbox"/> PARTIAL If partial, indicate onsite work in SOW by asterisk (*)		
Surveillance Plan Attached:				<input checked="" type="checkbox"/> No <input type="checkbox"/> YES		
Highlighted Contract Clauses:				(to be completed by Contracting Officer)		
Per Clause H.14, Task Ordering Procedure, subparagraph (f), the effective date of this task order shall be July 1, 1999.						
INCENTIVE FEE STRUCTURE (check one) (See Contract NAS5-99124, Attachment K, Incentive Fee Plan)						
	<input checked="" type="checkbox"/> No 1	<input type="checkbox"/> No. 2	<input type="checkbox"/> No. 3	<input type="checkbox"/> No. 4	<input type="checkbox"/> No. 5	
Cost	10%	50%	25%	25%	%	
Schedule	15%	25%	25%	50%	%	
Technical	75%	25%	50%	25%	%	
(To be completed by Contracting Officer)						
The target cost of this task order is \$ 83,189.						
The target fee of this task order is \$ 3,336.						
The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is \$ 86,525.						
The maximum fee is \$ 4,876.						
The minimum fee is \$0.						
AUTHORIZED SIGNATURE:						
THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"						
<i>Lorrie L. Eakin</i> SIGNATURE OF CONTRACTING OFFICER				12/9/99 DATE		
				Lorrie L. Eakin TYPED NAME OF CONTRACTING OFFICER		
CONTRACTOR'S ACCEPTANCE:						
AUTHORIZED SIGNATURE				DATE		

TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL

NASA/GODDARD SPACE FLIGHT CENTER

REQUEST FOR TASK PLAN / TASK ORDER

CONTRACTOR	CONTRACT NO./TASK NO.	TASK NO.	AMENDMENT
QSS Group, Inc.	NAS5- 99124	111	

Applicable paragraphs from contract Statement of Work:

STATEMENT OF WORK: (Continue on blank paper if additional space is required)

This task involves the ICESat mission requirements flow down to lower level documents on the project and very limited support for GPS testing. The contractor will perform the following:

Establish and maintain an automated system to trace all requirements from the Mission System Requirements Document to the lower level requirements documents and ICDs.

Determine requirements documents to be included in the traceability task, establish requirement hierarchy, develop a library of the latest version of these document and determine requirements for transfer into electronic formats.

Determine RTM database structure (class definitions and requirements attributes) and output product form and content and obtain NASA concurrence.

Convert requirements documents to an electronic form usable by the RTM software and develop requirements traceability and verification reports. Maintain a data base of noted problems and their resolution and perform updates to the products on a periodic (nominally weekly) basis.

Support the ICESat GPS testing at GSFC the week of 7/6 and 9/15 by providing technical expertise and the specialized equipment to characterize the data packet transmission on the receiver's RS 422 electrical interface. Provide inputs to the GPS test procedures, the protocol analyzer equipment and for the equipment electrical hook up and analysis of the test results. The points of contact for this test are ICESat Kim Hawkins at 301-286-0950 (kimberly.d.hawkins.1@gsfc.nasa.gov) and OSC subcontractor Tom Johnson at 757-865-8931 (tjohnson@ai-llc.com).

Provide parts engineering support for the JPL GPS receiver which includes completion of EEE parts qualification testing, monitor/report on APL and Unisys test activities, test result evaluation, coordination with Code 500 parts engineering, attendance at weekly meetings, completion of final test report; support of parts board meetings, completion of reliability analysis, completion of parts kitting and delivery of kitted parts and residual parts to Cortex.

PERFORMANCE SPECIFICATIONS:

The ICESat RTM notebook shall include the requirements and ICD documents in RTM format and the requirements flow down reports.

The Final Report shall include significant findings, task plan, test orders, technical correspondence, screen and qualification test data and results, chronological history of major milestones, reliability model description and reliability predictions, available radiation test reports, PCB meeting notes, parts lists, significant findings, lessons learned, recommendations, and technical summary.

APPLICABLE DOCUMENTS:

ICESat Mission System Requirements Document (MSRD)

ICESat Spacecraft Requirements Document (SCRD)

ICESat Mission Operations Requirements Document (MORD)

GLAS Requirements Document (GLAS RD)

GLAS ICD

GPS ICD

ICESat Science Computing Facility (SCF) Requirements

ICESat LV ICD

TASK END DATE: ~~XXXXXX~~ 9/30/00**MILESTONES/DELIVERABLES AND DATES:**

Complete MSRD to MORD and MSRD to SCRD 1st draft flowdown reports by 9/30/99

Complete MSRD to LV ICD, GLAS RD, GPS ICD, GLAS ICD and SCF RD allocation by ~~1/30/00~~ 9/30/00

Final Report (1 copy): 8/21/99

Kitted Parts and Residues: 8/21/99

PERFORMANCE STANDARDS:

Schedule: On-time delivery/completion of the above milestones/deliverables.

Technical: ATR's acceptance of the above.

FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):

Michael Tasevoli, B16, room 225